

## DialogWeb

Dynamic Search: INPADOC/Family and Legal Status, JPIO -Patent Abstracts of Japan, Derwent World Patents Index

Records for: PN=JP 59091155

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Records 1-3 of 3 In long Format

1. 5/34/1 (Item 1 from file: 351)

004022379

WPI ACC No: 1984-167921/198427

Prodn. of carotenoid colour element - by adding enzyme lipase and (un)satd. fatty acid to non-polar soln. of carotenoid contg. oleoresin

Patent Assignee: SAN-EI CHEM IND LTD (SANE )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 59091155	A	19840525	JP 82201327	A	19821116	198427 B
JP 84050705	B	19841210				198502

Priority Applications (No Type date): JP 82201327 A 19821116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 59091155	A		4		

Abstract (Basic): JP 59091155 A

Method comprises adding (1) enzyme lipase and (2) satd. fatty acids and/or mono unsatd. fatty acids to (3) nonpolar solvent soln. of carotenoid-contg. oleoresin and so replacing the unsatd. fatty acids of the oleoresin by satd. fatty acids and/or monounsatd. fatty acids and then treating (1) to molecular distillation.

(3) is prepd. by dissolving 1 pt. wt. of oleoresin in 1-10 pts.wt. of nonpolar solvents e.g. hexane, benzene. (2) includes e.g. capric acid, palmitic acid, oleic acid. Amts. of (2) used are below 10 pts.wt. to 1 pt. wt. of oleoresin.

The colour element of stable hue and no smell is produced.

0/0

Derwent Class: D16; E24

International Patent Class (Additional): C07C-175/00; C09B-061/00

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2.

2/34/2 (Item 2 from file: 347)

01379555 METHOD FOR OBTAINING CAROTENOID PIGMENT

Pub. No.: 59-091155 A ]

Published: May 25, 1984 (19840525)

Inventor: YOSHIKURA MASAHIRO

WASHINO KEN

Applicant: SAN EI CHEM IND LTD [330024] (A Japanese Company or Corporation), JP (Japan)

Application No.: 57-201327 [JP 82201327]

Filed: November 16, 1982 (19821116)

International Class: [ 3 ] C09B-061/00; C07C-175/00

JAPIO Class: 14.3 (ORGANIC CHEMISTRY -- Dyes); 11.4 (AGRICULTURE -- Food Products); 14.1 (ORGANIC CHEMISTRY -- Organic Compounds); 14.4 (ORGANIC CHEMISTRY -- Medicine)

Journal: Section: C, Section No. 242, Vol. 08, No. 199, Pg. 135, September 12, 1984 (19840912)

#### ABSTRACT

PURPOSE: To obtain stable and odorless carotenoid pigment, by enzymatically converting chemically bonded unsaturated fatty acids in a carotenoid-containing oleoresin into saturated fatty acid esters and then carrying out molecular distillation.

CONSTITUTION: An oleoresin containing carotenoid pigment, such as carrot oleoresin or paprika oleoresin, is dissolved in a nonpolar solvent such as benzene or hexane. Enzyme lipase and a saturated fatty acid, such as palmitic or stearic acid, and/or an unsaturated fatty acid are added to the resulting solution. If necessary, a small quantity of water, a polyhydric alcohol or a dispersion aid is added thereto. The mixture is stirred to subject chemically bonded unsaturated fatty acids in the oleoresin to an ester exchange reaction enzymatically, thus converting them into saturated fatty acid esters. Molecular distillation is then carried out to obtain the desired carotenoid pigment.

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☐ 3. 5/34/2 (Item 2 from file: 345)

4649434

Basic Patent (No,Kind,Date): JP 59091155 A2 840525

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 59091155 A2 840525

METHOD FOR OBTAINING CAROTENOID PIGMENT (English)  
Patent Assignee: SANEI KAGAKU KOGYO KK  
Author (Inventor): YOSHIKURA MASAHIRO; WASHINO KEN  
Priority (No,Kind,Date): JP 82201327 A 821116  
Applic (No,Kind,Date): JP 82201327 A 821116  
IPC: \* C09B-061/00; C07C-175/00  
CA Abstract No: \* 101(23)209100F  
Derwent WPI Acc No: \* C 84-167921  
JAPIO Reference No: \* 080199C000135  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 84050705 B4 841210  
Priority (No,Kind,Date): JP 82201327 A 821116  
Applic (No,Kind,Date): JP 82201327 A 821116  
IPC: \* C09B-061/00  
Language of Document: Japanese

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